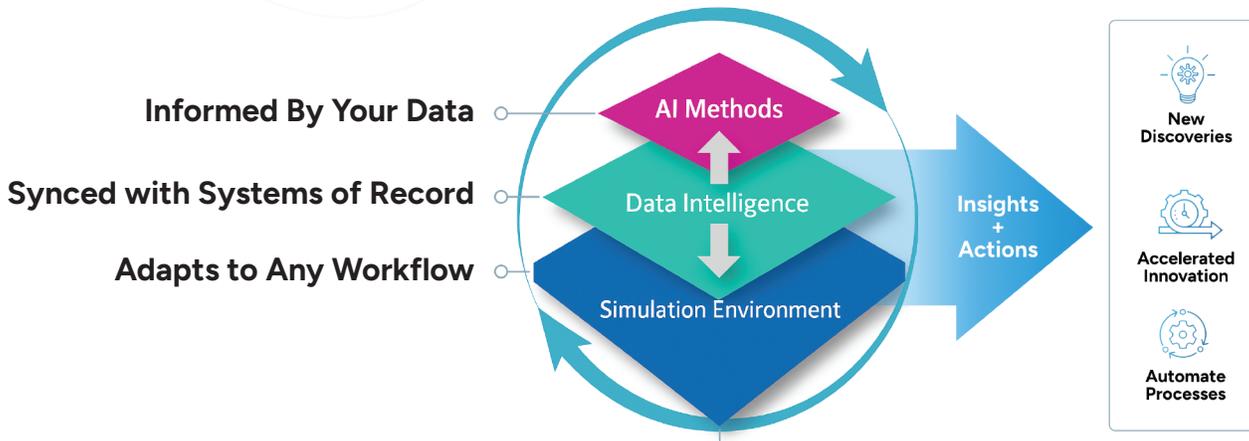# rescale

Data Intelligence for the AI & Agentic Era

Engineering data shouldn't just sit in repositories - it should drive decisions and automate work. Rescale Data Intelligence transforms raw simulation results into a living knowledge system with integrated AI to perform deep analysis, simulation agents that orchestrate workflows, and a data foundation that powers custom AI methods.

Harnessing Data to Power Engineering & Scientific Innovation

Rescale Data Intelligence forms the central data fabric for a complete digital engineering platform, bridging cloud computing for modeling and simulation with advanced AI physics capabilities.

Informed By Your Data

Synced with Systems of Record

Adapts to Any Workflow

- AI Methods
- Data Intelligence
- Simulation Environment

Insights + Actions

- New Discoveries
- Accelerated Innovation
- Automate Processes

Open, Flexible, & Extensible

Commercial & Custom Software

Ansys · DASSAULT SYSTEMES · HEXAGON · SIEMENS

Hyperscale & Specialty Clouds

aws · CoreWeave · Google Cloud · Azure

Commercial & Custom Software

AMD · arm · intel · NVIDIA

A Complete System of Action for Digital R&D

Capture Data at the Point of Execution
Automatically extracts key insights from every job while adding project context.

Boost Productivity with Embedded AI
Surfaces answers fast with AI embedded directly into simulation workflows.

Build the Foundations for New AI Methods
Builds structured datasets for custom model training, fine tuning, and deployment.

Streamline Admin & User Workflows
Adapts to existing workflows, enforcing consistency while simplifying administration.

Adopt Emerging Technologies with Ease & Agility
Open and flexible to integrate with your choice of hardware, software, AI, and agents.

Integrate & Deploy Without Disruption
Connects with existing systems of record and fits into existing workflows to unify and enrich datasets.

Trusted by the World's Leading Innovators

slb · APPLIED MATERIALS · DAIKIN · gm general motors · SAMSUNG · NORTHROP GRUMMAN · Bristol Myers Squibb

A Connected Digital Thread to Accelerate Innovation

Capture data where it's generated, unify data silos, and create a traceable, queryable digital thread that accelerates decision-making. Rescale's data fabric enables natural language AI search and analysis for instant insights and automations that eliminate manual and repetitive data tasks.

AI & Data Scientists

Simulation Engineers & Scientists

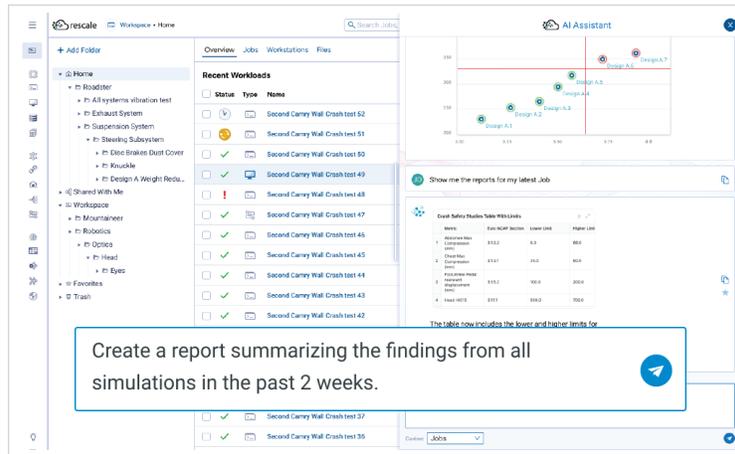HPC, Data, & AI Systems Admins

Sync with Systems of Record
Connect with PLM, PDM, and data stores to unify engineering information across platforms

Generate Simulation Data
Access 1,250+ software applications or deploy custom tools to run simulations at scale

Organize and Share Project Data
Structure engineering data with metadata and hierarchies for easy discovery and context

Search & Analyze Historical Data
Query past simulations and engineering data using natural language

Automate Multi-Step Workflows
Orchestrate complex engineering processes that chain simulations, analyses, and operations

Report Out & Archive
Create analytics dashboards and retain key results for compliance cost-optimization

Design Engineers

Manufacturing Engineers

Product & Project Leaders

Make Data Your Competitive Advantage

Data Enrichment
Extract findings from simulations, enrich with metadata, add structure, and centralize access to all historical analysis.

AI-Assisted Analysis
Query, visualize, and interact with simulation data with domain-specific AI using natural language prompts.

Data Traceability
Search and understand simulation activities with full context on objectives, versions, findings, and teams involved.

Agentic Workflow Automation
Perform multi-step simulation analyses to explore large design spaces and evaluate multi-objective tradeoffs.

Data Standardization
Gain visibility and ensure consistency and accuracy in data capture with reporting, controls, and templates.

AI Physics Training Pipelines
Automate data preparation, format conversion, and staging to support scalable AI training and inference.

Start Building Your Data Intelligence Today

Connect with Rescale Experts

About Rescale
Rescale advances innovation through new product development and R&D by providing a digital engineering platform that integrates cloud high performance computing resources, intelligent data management tools, and applied AI to accelerate modeling and simulation. Rescale's Platform delivers the industry's largest network of engineering and R&D applications, automated workflows, and computing infrastructure to enterprises. The industries shaping the future are building on Rescale — including aerospace, automotive, energy, life sciences, semiconductor, manufacturing, and the public sector.

rescale.com